

Wastewater Systems Design & Management Workshop



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8 AUGUST 2023 SEMINAR OR WEBINAR

Do you need to treat wastewater? What equipment do I need to discharge in compliance? Is your wastewater treatment plant operating well? Do you want to cut the costs of running your plant? Have you recently installed new equipment?

Many companies need to install, operate and manage wastewater treatment systems to remain in compliance and reduce high costs associated with either direct waterway discharge or to sewage and then deal with the wastes it makes. To help sites better manage their wastewater systems this workshop takes you through the range of processes and regulatory requirements needed to select and operate your wastewater system at its optimum level. This course covers:

- ✓ Overview of Sydney Water's Trade Waste policy and agreement processes
- ✓ Discharge limits and approaches under Environment Protection Licences
- ✓ Upstream focus on cleaner production and reducing the load on the treatment plant
- ✓ An in depth look at a Sydney Water Tradewaste Agreement
- ✓ **Treatment systems covered**
 - **Preliminary Treatment** → Screening and balancing
 - **Physical separation:** → Dissolved Air Flotation, filtration, settling systems, dewatering, screening, filtration, RO and management of sludge etc.
 - **Biological:** → The process of BOD reduction using activated sludge, anaerobic versus aerobic
 - **Chemical treatments:** → Understanding coagulants and flocculants, filter aids etc.
- ✓ Solid and liquid waste management and costs and how to reduce them

Details at a glance

Date: 8 August 2023 – Sutherland
Time: 8:30 am – 5 pm; Registration from 8:20 am.
Venue: L6, 3-5 Stapleton Ave, Sutherland
Webinar: At your computer – fully recorded for later viewing

WASTEWATER SYSTEMS DESIGN AND MANAGEMENT - AGENDA

8:20 am	Registration and Coffee	
8:25 am	Welcome and Introduction	ASBG
8:30	Overview Of Trade Waste Policy — sewer limits and changes to Sydney Water’s standards including proposed charge rates e.g. BOD increases	<i>Dr Para</i> Sydney Water
9:10	Approval for direct discharge to stormwater and waterways – navigating the EPAs regulatory systems, process and what to expect	Andrew Doig, ASBG
9:50	The Major Costs of Treating Wastewater: A look at the main costs of treating water including an overview of a Sydney Water Tradewaste Agreement	James Hall, Director Hydroflux Industrial
10:35	Morning coffee and Networking	
10:50	An Introduction to Wastewater Treatment – A review of the four fundamental process steps of industrial water treatment and what each achieves.	Mitch Hastings, Hydroflux Industrial
11:30	Preliminary Treatment - What is preliminary treatment and why is it important? A look at the two main process steps used to undertake preliminary treatment.	Matthew Foster, Director, Hydroflux
12:00	Lunch	
12:45	Primary Treatment Overview – Why do primary treatment? Learn the secret to making it work effectively, including a discussion on primary treatment chemistry.	Mitch Hastings,
1:00	Primary Treatment Equipment - Dissolved Air Floatation and clarifiers explained	Mathew Foster
1:50	Secondary Treatment – What it does and how it works. Aerobic vs anaerobic	Mitch Hastings
2:20	Tertiary Treatment Process --. – Filtration, disinfection and reverse osmosis	Mitch Hastings
3:05	Afternoon Tea	
3:25	Sludge Management – dewatering options to reduce offsite disposal costs	James Hall
4:00	WORKSHOP - Participants are invited to bring their own wastewater treatment plant problems along and have them analyzed by our team	All
5:00	Close	

PRICE (incl GST)	VENUE	DATE
ASBG members and Hydroflux clients Face to face \$395 Non-Member \$495 Webinar \$295 \$395 E-notes, included in the package, FtF includes catering	L6, 3-5 Stapleton Ave, SUTHERLAND or Or your Computer: Webinar	8 August 2023 8:30 am to 5:00 pm Webinar recorded for Later viewing

All attendees to receive slides from the presentations, certificates of attendance (useful for CPD points) & access to the recorded webinar.

Phone: (02) 9453 3348 for info.
Email: asbg@asbg.net.au
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Cancellation: If you are unable to attend, a substitute delegate from your organization is welcome at no extra charge. No refunds for cancellations in writing closer than 3 working days from the event no refunds can be made, but notes will be forwarded following the event. See [ASBG's terms](#) for details. A **Tax Invoice** will be issued for each registration. **Confirmation** will be provided one week prior to the course if registration received.



Expiry date __ / __ / __